

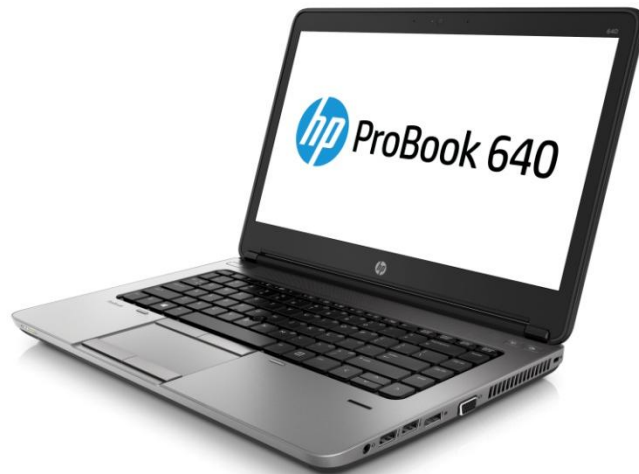
**Data sheet**

# HP ProBook 640 G1 Notebook PC



## QEB2016-A

Take on tasks in the office or on the road with a durable HP ProBook 640 G1 Notebook PC. This ProBook is thin, light and packed with productivity features to make work faster and easier. Plus, reliable security solutions keep your data out of the wrong hands.



HP ProBook 640 G1 Notebook PC

### **Thinner, tougher taskmaster.**

- Get the technology you trust from HP, with cutting-edge style that looks and feels the way you want.
- Join forces with the latest generation technology and legacy features your business demands on a new thinner HP ProBook for in the office or on the go.
- Protect existing IT investments with support for existing legacy features such as an optical drive, VGA and RJ45 connectors.
- Passed MIL-STD 810G testing for drop, vibration, functional shock, dust, humidity, altitude, high temperature, low temperature, temperature shock, and ESD.<sup>1</sup>
- Enjoy a desktop experience on your ProBook with the HP 90W Docking Station.

### **Convenient Control**

- Protect data, devices and identities with HP Client Security<sup>2</sup> and use HP Trust Circles<sup>3</sup> to make sure only assigned contacts can access critical files.
- Keep sensitive information in safe hands. HP Trust Circles<sup>3</sup> protects your data by ensuring that only approved contacts can access critical files.

### **Stay up and running**

- HP BIOS Protection<sup>4</sup> offers enhanced protection against virus attacks to the BIOS and other security threats, and is designed to help prevent data loss and reduce downtime.
- Maintain a productive system environment with stable and consistent images, managed lifecycle transitions and Global Series support you can rely on.



## Specifications

### HP ProBook 640 G1 Notebook PC

G7Z45AV

<b>Operating System<sup>5</sup></b>	Windows 10 Enterprise 64-bit Preloaded 64-bit SDC 5.x with Office Suite (Default)	
<b>Processor</b>	4th Generation Intel® Core™ i5-4210M with Intel® HD Graphics 4600 (2.6 GHz/3.2 GHz Turbo, 3 MB cache, 2 cores/4 threads) <sup>6</sup>	
<b>Memory</b>	8 GB (1x8 GB) DDR3L PC3L-12800 (1600 MHz), 2 slots; max capacity 16 GB <sup>7</sup>	
<b>Display</b>	14" diagonal LED-backlit HD+ anti-glare SVA flat (1600 x 900); 250 nits <sup>8</sup>	
<b>Hard Drive<sup>9</sup></b>	500 GB 5400 rpm FIPS 140-2 Certified Self Encrypting Drive (SED), NIST Certificate 1451; ATA-8, SATA 2.6, 3.0 Gb/s.	
<b>Graphics</b>	Integrated Intel® HD <sup>8</sup> Graphics 4600 with 1 VGA and 1 DisplayPort. Included DisplayPort M to DVI F Adapter	
<b>Communications</b>	Integrated Intel® I218LM Gigabit Network Connection; Intel® Dual Band Wireless-N 7260 802.11 ac (2x2) Wi-Fi + Bluetooth® 4.0 Combo Adaptor where Wireless LAN and Bluetooth® can be independently disabled in the BIOS. <sup>10</sup>	
<b>Power</b>	Dual voltage (110-240V 50/60 Hz) autosensing; 65W AC adapter; 6-cell Lithium-Ion Primary battery (55 WHr)	
<b>Warranty</b>	4 year next business day on-site with with storage media retention	
<b>EPEAT®</b>	Gold	
<b>Security</b>	Trusted Computing Group certified Trusted Platform Module (TPM) version 1.2 - Infineon SLB9635TT1.2, BIOS protection as identified in NIST SP 800-147, BIOS settings comply.	
<b>Removeable Media</b>	SATA SuperMulti DL Drive, DVD+/-R 8X, DVD+RW 8X, DVD-RW 6X, CD-R 24X, CD-RW 24X, DVD +/- R DL 6X	
<b>Audio</b>	HD Audio with DTS Sound+™ optimized for high fidelity audio; Dual digital microphone array (2) when equipped with webcam.	
<b>Webcam</b>	Integrated 720p HD webcam	
<b>I/O Ports and Connectors</b>	Ports: (3) USB 3.0, (1) USB 3.0 charging port, (1) DisplayPort 1.2, (1) VGA, (1) Stereo microphone input, (1) Headphone/line out, (1) RJ-45 (Ethernet), (1) Docking connector, (1) Power Connector; Expansion Slots: Media Card Reader - supports SD, SDHC, SDXC; Integrated Smart Card Reader(Compatible with ISO 7816 compliant Smart Cards PC/SC interface support; FIPS 201-1 certified and on FIPS 201 Approved Products List	
<b>Dimensions (W x D x H)</b>	13.39 x 9.33 x 0.99 in (front) / 1.14 in (rear)	
<b>Weight</b>	Starting at 4.69 lb with optical drive	
<b>Options</b>	<b>Part Number</b>	<b>Description</b>
	N4P50AV#ABA	Windows 7 Enterprise 64-bit (available through downgrade rights from Windows 10 Enterprise 64-bit) <sup>11</sup> 64-bit SDC 3.x with Office suite
	N4P44AV#ABA	OEM Windows 10 Pro 64-bit <sup>5</sup> (Non-Network Use Only) - USAF will allow system to be restored through restore partition that resides on hard drive. In the event of a hard drive failure, the USAF will allow restore media to be provided without customer requesting it.

Options (continued)	Part Number	Description
	N4P50AV#ABA / N5S95AV / E1L77AV / E1L82AV#ABA	OEM Windows 7 Professional 64-bit (available through downgrade rights from Windows 10 Pro 64-bit) <sup>12</sup> (Non-Network Use Only)
	D9R63AV / D9R88AV	Integrated webcam removed
	B2Q65AV#ABA	HP 90W Docking Station: 1 DisplayPort 1.2, 1 VGA, and 1 DVI-D connector; 4 USB 3.0 ports (3 Always-On, 1 powered); HP 90W Smart AC Adapter; audio port, ethernet port, line-in jack, headphone jack, DisplayPort to DVI adapter included in base



- 1 MIL STD 810G testing is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Damage under the MIL STD test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
- 2 HP Client Security requires Windows.
- 3 HP Trust Circles Standard, when included, allows up to 5 Trust Circles with up to 5 contacts in each Trust Circle. Optional Trust Circles Professional required for unrestricted number of Trust Circles.
- 4 HP Tools partition with HP BIOS required for automatic recovery.
- 5 Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>.
- 6 Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
- 7 Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
- 8 HD content required to view HD images.
- 9 For hard drives and solid statedrives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16GB (for Windows 7) of system and up to 36GB (for Windows 8 and 10) disk is reserved for system recovery software.
- 10 Wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.
- 11 This system is preinstalled with Windows 7 Enterprise software and also comes with a license and media for Windows 10 Enterprise software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
- 12 This system is preinstalled with Windows 7 Professional software and also comes with a license and media for Windows 10 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

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